U.S.S.N. 09/148,012
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AMENDMENT AND RESPONSE TO OFFICE ACTION

In the Claims

1. (twice amended) A method for altering fertility or treating a reproductive disorder in a female mammal in need of treatment thereof comprising

administering a compound altering lipoprotein, LDL, HDL or cholesterol levels in the mammal in an amount effective to ~~alter~~ enhance or restore fertility or treat a reproductive disorder in the mammal.

2. (amended) The method of claim 1 wherein the compound alters SR-BI expression in ~~the~~ a tissue.

3. (original) The method of claim 1 wherein the compound alters binding of SR-BI to high density lipoprotein including cholesteryl ester or other lipoproteins.

4. (currently amended) The method of claim 2 wherein the compound decreases SR-BI expression in ~~a~~ the tissue of the mammal.

5. (currently amended) The method of claim 2 wherein the compound increases SR-BI expression in ~~a~~ the tissue of the mammal.

6. (currently amended) The method of claim 3 wherein the compound decreases SR-BI binding to lipoprotein or transfer of cholesteryl ester in ~~a~~ the tissue of the mammal.

7. (currently amended) The method of claim 3 wherein the compound increases SR-BI binding to lipoprotein or transfer of cholesteryl ester in ~~a~~ the tissue of the mammal.

8. (original) The method of claim 1 wherein the mammal is a female and the compound is administered in an amount effective to prevent normal reproductive function.

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9. (previously amended) The method of claim 1 wherein the mammal has a disorder characterized by an overproduction of steroids.

10. (previously amended) The method of claim 1 wherein the mammal has a disorder characterized by an underproduction of steroids.

11. (canceled)

12. (original) The method of claim 1 wherein the mammal has a disorder which can be treated by decreasing production of steroids.

13. (canceled)

14. (canceled)

15. (original) The method of claim 1 wherein the compound differentially alters the activity of, or expression of, SR-BI in different tissues.

16. (original) The method of claim 11 wherein the compound increases SR-BI expression in reproductive tissues and decreases or does not increase SR-BI expression in liver.

17. (canceled)

18. (canceled)

19. (withdrawn) The method of claim 1 wherein the compound is an antibody to SR-BI.

20. (previously added) The method of claim 1 wherein the compound is a drug that decreases production of steroids via selective binding to SR-BI.

21. (previously added) The method of claim 20 wherein the compound decreases cholesterol levels to decrease steroid levels.

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91 22. (previously added) The method of claim 21 wherein the compound inhibits cholesterol transport.

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